

Regional HIV/AIDS Epidemiologic Profile of Massachusetts: 2009

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2008, Massachusetts

	N	%
People Living with HIV/AIDS	17,538	59%
People Reported with HIV or AIDS who are Deceased	12,257	41%
Total Number of People Reported with HIV Infection or AIDS	29,795	100%
¹ Does not include individuals diagnosed with HIV infection (non -AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999. Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/09		

Table 2. Average annual rate of HIV infection diagnosis from 2005 to 2007 and HIV/AIDS prevalence rate on 12/31/08¹: Massachusetts

Average annual HIV diagnosis rate from 2005–2007	Average rate per 100,000	Average annual number of HIV diagnoses
Massachusetts Total	13.5	857
HIV/AIDS prevalence rate on 12/31/08	Rate per 100,000	Number of people living with HIV/AIDS
Massachusetts Total	276.9	17,580
¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/09		

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year ²: 1999–2007, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	12,427	398	1,358
2000	13,284	376	1,233
2001	13,898	423	1,037
2002	14,622	380	1,104
2003	15,205	398	981
2004	15,850	331	976
2005	16,445	303	898
2006	16,914	294	764
2007	17,213	260	559 ³

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis

³ 2007 HIV diagnosis data are preliminary

Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/09

Table 4. People diagnosed with HIV infection from 2005–2007¹ and people living with HIV/AIDS on December 31, 2008 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	1,608	72%	12,498	71%
Female	613	28%	5,042	29%
Place of Birth:	N	%	N	%
US	1,362	61%	11,858	68%
Puerto Rico/US Dependency ²	195	9%	2,115	12%
Non-US	664	30%	3,567	20%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	887	40%	7,819	45%
Black (non-Hispanic)	709	32%	4,975	28%
Hispanic	577	26%	4,415	25%
Other/Undetermined ³	48	2%	331	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	827	37%	6,005	34%
Injection Drug Use (IDU)	307	14%	4,333	25%
MSM/IDU	48	2%	569	3%
Heterosexual Sex	225	10%	2,387	14%
Other	10	<1%	431	2%
Total Undetermined	804	36%	3,815	22%
• Presumed Heterosexual Sex ⁴	518	23%	2,739	16%
• Undetermined ⁵	286	13%	1,076	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2008	
Under 13	9	<1%	60	<1%
13 to 19	37	2%	192	1%
20 to 24	152	7%	231	1%
25 to 29	244	11%	573	3%
30 to 34	307	14%	1,025	6%
35 to 39	399	18%	2,005	11%
40 to 44	420	19%	3,513	20%
45 to 49	320	14%	3,968	23%
50 to 54	170	8%	2,971	17%
55 to 59	91	4%	1,689	10%
60+	72	3%	1,313	7%
Total	2,221	100%	17,540	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without a n AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/09

Table 5. People living with HIV/AIDS on December 31, 2008 by gender and race/ethnicity: Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	6,407	51%	1,412	28%
Black Non-Hispanic	2,884	23%	2,091	41%
Hispanic	2,971	24%	1,444	29%
Other/Undetermined ¹	236	2%	95	2%
Total	12,498	100%	5,042	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/09

Table 6. People living with HIV/AIDS on December 31, 2008 by gender and exposure mode: Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	6,005	48%	N/A	N/A
Injection drug use (IDU)	2,941	24%	1,392	28%
MSM/IDU	569	5%	N/A	N/A
Heterosexual sex	719	6%	1,668	33%
Other	247	2%	184	4%
Total Undetermined	2,017	16%	1,798	36%
• Presumed heterosexual sex ¹	1,291	10%	1,448	29%
• Undetermined ²	726	6%	350	7%
Total	12,498	100%	5,042	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up

N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/09

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Massachusetts, before 1999, 1999–2007¹

	Male		Female		Total
	N	%	N	%	
< 1999	15,840	77%	4,695	23%	20,535
1999	943	69%	415	31%	1,358
2000	857	70%	376	30%	1,233
2001	729	70%	308	30%	1,037
2002	757	69%	347	31%	1,104
2003	667	68%	314	32%	981
2004	679	70%	297	30%	976
2005	659	73%	239	27%	898
2006	555	73%	209	27%	764
2007 ²	394	70%	165	30%	559

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2007 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/09

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Massachusetts, before 1999, 1999–2007¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	11,300	55%	4,802	23%	4,267	21%	166	1%	20,535
1999	576	42%	402	30%	350	26%	30	2%	1,358
2000	479	39%	424	34%	297	24%	33	3%	1,233
2001	426	41%	333	32%	249	24%	29	3%	1,037
2002	424	38%	385	35%	261	24%	34	3%	1,104
2003	396	40%	322	33%	239	24%	24	2%	981
2004	369	38%	323	33%	259	27%	25	3%	976
2005	340	38%	307	34%	229	26%	22	2%	898
2006	322	42%	228	30%	199	26%	15	2%	764
2007 ³	225	40%	174	31%	149	27%	11	2%	559

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2007 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/09

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts, before 1999, 1999–2007¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	15,848	77%	2,581	13%	2,106	10%	20,535
1999	921	68%	184	14%	253	19%	1,358
2000	778	63%	141	11%	314	25%	1,233
2001	641	62%	116	11%	280	27%	1,037
2002	652	59%	109	10%	343	31%	1,104
2003	614	63%	93	9%	274	28%	981
2004	600	61%	106	11%	270	28%	976
2005	541	60%	81	9%	276	31%	898
2006	482	63%	59	8%	223	29%	764
2007 ³	339	61%	55	10%	165	30%	559

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2007 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/09

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Massachusetts, before 1999, 1999–2007¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	7,631	37%	7,219	35%	879	4%	2,064	10%	778	4%	1,317	6%	647	3%	20,535
1999	385	28%	399	29%	42	3%	206	15%	22	2%	241	18%	63	5%	1,358
2000	367	30%	272	22%	30	2%	204	17%	20	2%	258	21%	82	7%	1,233
2001	319	31%	206	20%	32	3%	172	17%	13	1%	209	20%	86	8%	1,037
2002	345	31%	200	18%	25	2%	185	17%	7	1%	255	23%	87	8%	1,104
2003	328	33%	155	16%	27	3%	125	13%	12	1%	216	22%	118	12%	981
2004	314	32%	156	16%	22	2%	125	13%	11	1%	233	24%	115	12%	976
2005	331	37%	131	15%	22	2%	102	11%	4	0%	196	22%	112	12%	898
2006	311	41%	92	12%	12	2%	78	10%	4	1%	180	24%	87	11%	764
2007 ⁴	185	33%	84	15%	14	3%	45	8%	2	0%	142	25%	87	16%	559

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2007 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/09

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Massachusetts, 1999–2007¹

	HIV and AIDS diagnosed within two months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within two months
Year:	N	N	%
1999	387	1,358	28%
2000	333	1,233	27%
2001	306	1,037	30%
2002	304	1,104	28%
2003	271	981	28%
2004	292	976	30%
2005	261	898	29%
2006	246	764	32%
2007 ²	183	559	33%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2007 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/09

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Massachusetts, 2005–2007¹

	HIV and AIDS diagnosed within two months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within two months
Gender:	N	N	%
Male	520	1,608	32%
Female	170	613	28%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	247	887	28%
Black (non-Hispanic)	234	709	33%
Hispanic	187	577	32%
Other/Undetermined ²	22	48	46%
Place of Birth:	N	N	%
US	376	1,362	28%
Puerto Rico/US Dependencies ³	59	195	30%
Non-US	255	664	38%
Total	690	2,221	31%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/09